

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	3952659	information data	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/12/07 14:44
L2	560603	(dual two second) near2 layer\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/12/07 14:51
L3	47319	("369").CLAS.	US-PGPUB; USPAT	OR	OFF	2007/12/07 14:44
L4	1832907	align\$3 overlap\$4 over-lap\$4 overla\$5	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/12/07 14:44
L5	343	L3 and (L2 same L1 same L4)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/12/07 14:44
L6	658707	(set subset group) near5 (information data)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/12/07 14:44
L7	162	L5 and L6	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/12/07 14:44
L8	562034	(dual two second other) near2 layer\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/12/07 14:52
L9	121	barcode same 8	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/12/07 14:53
L10	21	9 and 3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/12/07 14:53
S1	1	("20050111326").PN.	US-PGPUB; USPAT	OR	OFF	2007/05/31 09:21
S2	2	((("6366542") or ("6501712")).PN.	US-PGPUB; USPAT	OR	OFF	2006/08/03 18:42
S3	502782	((optical compact) near2 (disk\$2 disc\$2 medium)) CD DvD CDROM DvDROM "CD-ROM" "DvD-ROM" (digital near2 (versatile video) near2 (disk disc))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/04 16:13
S4	7157	((information data) near5 (set type)) near5 (overlay overlap\$4 coincid\$3 align\$4)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/04 16:18
S5	2112	S3 and S4	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/04 16:18

## EAST Search History

S6	2935	((information data) near3 (set type)) near2 (overlay overlap\$4 coincid\$3 align\$4)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/04 16:18
S7	824	S3 and S6	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/04 16:24
S8	156509	subset sub-set	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/04 16:20
S9	128066	(outter outer) near3 (circumference radius)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/04 16:25
S10	0	S7 and S8 and S9	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/04 16:23
S11	11	S7 and S9	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/04 16:25
S12	6	S5 and S8 and S9	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/04 16:23
S13	37	S5 and S9	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/04 16:23
S14	128066	(outter outer) near3 (circumference radius radii)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/04 16:57
S15	11	S7 and S14	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/04 16:57
S16	770245	(circumference radius radii)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/04 16:57
S17	105	S7 and S16	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/04 17:00
S18	42670	("369").CLAS.	US-PGPUB; USPAT	OR	OFF	2006/08/04 17:00
S19	487	(369/53.22).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/08/04 17:03
S20	2	S17 and S19	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/04 17:07
S21	14	S17 and S18	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/04 17:07

## EAST Search History

S22	722	(set cluster) near5 aligned near5 (data information)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/14 14:02
S23	29	S22 same layer	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/14 14:01
S24	15	S23 and optical\$2	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/14 14:28
S25	1144	(set cluster) near5 align\$3 near5 (data information)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/14 14:02
S26	17	S25 same layer and optical	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/14 14:26
S27	128231	(outter outer) near3 (circumference radius)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/14 14:26
S28	46522	(disc disk medium) near10 (ID identification (identif\$7 near5 (data information code barcode)))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/14 15:35
S29	114	S27 same S28	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/14 14:28
S30	81	S29 and optical\$2	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/14 14:59
S31	36	S29 and optical\$2 and layer	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/14 14:59
S32	1633	(lead-out (lead near2 out)) near2 (data information)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/14 15:26
S33	77	S28 same S32	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/14 15:26
S34	0	S28 same S32 same S27	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/14 15:26
S35	3	S28 same S32 and S27	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/14 15:27
S36	3	S28 same S32 and S27 and layer	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/14 15:32

## EAST Search History

S37	8	(align\$3 overlap\$4) near10 S32	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/14 15:33
S38	8	(align\$3 overlap\$4 over-lap\$4) near10 S32	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/14 15:33
S39	3	((align\$3 overlap\$4 over-lap\$4) near10 S28) same S27	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/14 15:34
S40	4	(align\$3 overlap\$4 over-lap\$4) same S28 same S27	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/14 15:36
S41	798	(align\$3 overlap\$4 over-lap\$4) same S28	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/14 15:37
S42	281	(align\$3 overlap\$4 over-lap\$4) same S28 and layer\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/14 15:37
S43	203	(align\$3 overlap\$4 over-lap\$4) same S28 and layer\$3 and optical	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/11 15:55
S44	14	(align\$3 overlap\$4 over-lap\$4) same S28 and layer\$3 and optical and S27	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/14 15:38
S45	765	SSC same (protect\$4 layer)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/11 15:39
S46	44300	("369").CLAS.	US-PGPUB; USPAT	OR	OFF	2007/01/11 15:33
S47	2	S45 and S46	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/11 15:41
S48	5660	(SSC (serial near2 code) (bar near2 code)) same (protect\$4 layer)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/11 15:42
S49	983	(SSC (serial near2 code)) same (protect\$4 layer)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/11 15:40
S50	30	S49 and S46	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/11 15:42
S51	259	(EDI (embedded near2 (disc disk) near2 information)) same layer\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/11 15:47
S52	4066	(SSC (serial near2 code) (bar near2 code)) same layer\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/11 15:49

## EAST Search History

S53	744	(SSC (serial near2 code)) same layer\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/11 15:43
S54	1	S51 and S53	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/11 15:43
S55	6	S51 and S52	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/11 15:43
S56	7673	(EDI (embedded near3 (disc disk) near3 information)) ((disk disc) near3 manufactur\$4 near3 (information data))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/11 16:10
S57	242685	stamp\$3 emboss\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/11 15:48
S58	293	S56 same S57	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/11 15:48
S59	92398	(SSC (serial near2 code) (bar near2 code))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/11 15:57
S60	5	S58 and S52	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/11 15:50
S61	14	S58 and S59	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/11 15:50
S62	1919525	align\$3 coincid\$3 overlap\$4 over-lap\$4 overlay\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/11 16:12
S63	3	S56 same S59 same S62	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/11 16:11
S64	7950	(EDI (embedded near3 (disc disk) near3 information)) ((disk disc) near3 manufactur\$4 near3 (information data)) (indentification near3 (information data))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/11 16:10
S65	182389	SSC (serial near2 code) (bar near2 code) indicia	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/11 16:11
S66	4	S64 same S65 same S62	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/11 17:30
S67	3608722	align\$3 coincid\$3 overlap\$4 over-lap\$4 overlay\$3 atop top\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/11 16:12

## EAST Search History

S68	8	S64 same S65 same S67	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/11 16:22
S69	2314785	radi\$4 circumference	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/11 16:22
S70	10	S64 same S65 same S69	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/11 16:23
S71	111	S64 same S65	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/11 17:30
S72	1920799	align\$3 coincid\$3 overlap\$4 over-lap\$4 overlay\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/16 15:06
S73	7962	(EDI (embedded near3 (disc disk) near3 information)) ((disk disc) near3 manufactur\$4 near3 (information data)) (indentification near3 (information data))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/16 15:13
S74	182524	SSC (serial near2 code) (bar near2 code) indicia	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/16 15:06
S75	4	S73 same S74 same S72	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/16 15:07
S76	3611362	align\$3 coincid\$3 overlap\$4 over-lap\$4 overlay\$3 atop top\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/16 15:12
S77	8	S73 same S74 same S76	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/16 15:09
S78	247663	protect\$4 near2 (surface layer)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/16 15:09
S79	113202	(data information) near2 (surface layer)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/16 15:10
S80	3	(S73 same S79) and (S74 same S78) and S76	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/16 15:14
S81	3627486	align\$3 coincid\$3 overlap\$4 over-lap\$4 overla\$5 atop top\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/16 16:02

## EAST Search History

S82	55446	(EDI (embedded near3 (disc disk) near3 information)) (manufactur\$4 near3 (information data)) (indentification near3 (information data))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/16 15:13
S83	14	(S82 same S79) and (S74 same S78) and S81	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/16 15:36
S84	509315	(dual two second) near2 layer\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/16 15:37
S85	3787789	information data	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/16 15:36
S86	44331	("369").CLAS.	US-PGPUB; USPAT	OR	OFF	2007/01/16 15:38
S87	0	S84 same S85 same S86	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/16 15:41
S88	513	S86 and (S84 same S85 same S81)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/16 16:02
S89	3533	S86 and (S84 same S85)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/16 15:42
S90	1691173	align\$3 overlap\$4 over-lap\$4 overla\$5	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/16 16:02
S91	262	S86 and (S84 same S85 same S90)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/16 16:06
S92	799141	radius radii circumference	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/16 16:06
S93	136	S91 and S92	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/16 16:10
S94	584968	(set subset group) near5 (information data)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/16 16:26
S95	104	S91 and S94	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/16 16:27
S96	6846	(repeat\$3 redundant) near5 (set subset group) near5 (information data)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/16 16:26

## EAST Search History

S97	7	S91 and S96	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/16 16:27
S98	111	(writ\$3 burn\$3) near2 label near2 side	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/17 16:53
S99	509315	(dual two second) near2 layer\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/17 16:49
S10 0	3787789	information data	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/17 16:49
S10 1	44331	("369").CLAS.	US-PGPUB; USPAT	OR	OFF	2007/01/17 16:49
S10 2	1691173	align\$3 overlap\$4 over-lap\$4 overla\$5	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/17 16:49
S10 3	262	S101 and (S99 same S100 same S102)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/17 16:52
S10 4	584968	(set subset group) near5 (information data)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/17 16:49
S10 5	104	S103 and S104	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/17 16:49
S10 6	199585	protect\$4 near3 layer	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/17 16:49
S10 7	2570619	etch\$3 print\$3 burn\$3 writ\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/17 16:50
S10 8	182524	SSC (serial near2 code) (bar near2 code) indicia	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/17 16:50
S10 9	494	S106 same S107 same S108	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/17 16:56
S11 0	0	S105 and S109	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/17 16:52
S11 1	5999	label.near2 side	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/17 16:53
S11 2	5253	(S106 S111) same S107 same (S108 S100)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/17 16:57



## EAST Search History

S11 3	29	S112 and S105	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/17 16:57
S11 4	3777624	information data	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/05/30 16:38
S11 5	207387	protect\$4 near3 layer	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/05/30 16:38
S11 6	2659454	etch\$3 print\$3 burn\$3 writ\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/05/30 16:38
S11 7	189943	SSC (serial near2 code) (bar near2 code) indicia	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/05/30 16:38
S11 8	6257	label near2 side	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/05/30 16:38
S11 9	5500	(S115 S118) same S116 same (S117 S114)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/05/30 16:38
S12 0	530305	(dual two second) near2 layer\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/05/30 16:47
S12 1	45652	("369").CLAS.	US-PGPUB; USPAT	OR	OFF	2007/05/30 16:47
S12 2	1749537	align\$3 overlap\$4 over-lap\$4 overla\$5	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/05/30 16:47
S12 3	304	S121 and (S120 same S114 same S122)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/05/30 16:47
S12 4	614855	(set subset group) near5 (information data)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/05/30 16:47
S12 5	141	S123 and S124	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/05/30 16:47
S12 6	1	("20050111326").PN.	US-PGPUB; USPAT	OR	OFF	2007/12/06 11:08
S12 7	3952659	information data	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/12/07 14:42
S12 8	560603	(dual two second) near2 layer\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/12/07 14:42

## EAST Search History

S12 9	47319	("369").CLAS.	US-PGPUB; USPAT	OR	OFF	2007/12/07 14:42
S13 0	1832907	align\$3 overlap\$4 over-lap\$4 overla\$5	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/12/07 14:42
S13 1	343	S129 and (S128 same S127 same S130)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/12/07 14:42
S13 2	658707	(set subset group) near5 (information data)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/12/07 14:42
S13 4	560603	(dual two second) near2 layer\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/12/07 14:42